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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/024,944

DATE: 01/16/2002
TIME: 18:40:12

Input Set : A:\EXT-073.ST25.txt
Output Set: N:\CRF3\01162002\J024944.raw

p6

ENTERED

COF

3 <110> APPLICANT: EXACT Science Corporation
4 Boles, T. Christian
5 Weir, Lawrence
6 Stone, Benjamin
8 <120> TITLE OF INVENTION: Detection of Non-Viral Organisms With SRP RNA
10 <130> FILE REFERENCE: EXT-073
12 <140> CURRENT APPLICATION NUMBER: US/10/024,944
13 <141> CURRENT FILING DATE: 2001-12-19
15 <150> PRIOR APPLICATION NUMBER: US 60/090,063
16 <151> PRIOR FILING DATE: 1998-06-19
18 <150> PRIOR APPLICATION NUMBER: US 08/971,845
19 <151> PRIOR FILING DATE: 1997-08-08
21 <160> NUMBER OF SEQ ID NOS: 27
23 <170> SOFTWARE: PatentIn version 3.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 21
27 <212> TYPE: RNA
28 <213> ORGANISM: Escherichia coli
30 <400> SEQUENCE: 1
31 gucagguccg gaaggaagca g 21
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 22
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Complementary sequence of conserved E. coli 4.5S RNA region
41 nucleotide 44-65
43 <400> SEQUENCE: 2
44 gctgcttcct tccggacctg ac 22
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 21
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: shortened probe derived
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54 complementary sequence of E. coli 4.5S RNA region 44-65
56 <400> SEQUENCE: 3
57 gctgcttcct tccggacctg a 21
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 12
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: a shorter probe derived
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67 complementary sequence of E. coli 4.5S RNA region 44-65
69 <400> SEQUENCE: 4

70 gctgcttcct tc

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73 <210> SEQ ID NO: 5
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75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: a short probe derived
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80      complementary sequence of E. coli 4.5S RNA region 44-65
82 <400> SEQUENCE: 5
83 gctgcttcct tccg                                     14
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 14
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: a short probe derived
from the
93      complementary sequence of E. coli 4.5S RNA region 44-65
95 <400> SEQUENCE: 6
96 gacctgacct ggta                                     14
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 41
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe
107 <400> SEQUENCE: 7
108 gctgcttcct tccggacctg agtgaatacg ttcccgggcc t      41
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 41
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe
119 <400> SEQUENCE: 8
120 gctgcttcct tccggacctg acaaaaacga taaaccaacc a      41
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 18
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe
131 <400> SEQUENCE: 9
132 ggcacacgcy tcatctgc                                18
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 29
137 <212> TYPE: RNA
138 <213> ORGANISM: Escherichia coli
140 <400> SEQUENCE: 10
141 uuuaccaggu cagguccgga aggaagcag                    29
144 <210> SEQ ID NO: 11

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145 <211> LENGTH: 30
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: complementary sequence
of
151 conserved E. coli 4.5S RNA region nucleotides 36-65 30
153 <400> SEQUENCE: 11
154 gctgcttcct tccggacctg acctggtaaa
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 29
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: acrydite capture probe
164 13-III-ac 29
166 <400> SEQUENCE: 12
167 ttttttttta ggcccgggaa cgtattcac
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 18
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: fluorescent sandwich
probe 2F 18
178 <400> SEQUENCE: 13
179 ggcacacgcg tcatctgc
182 <210> SEQ ID NO: 14
183 <211> LENGTH: 12
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence:alkaline phosphatase
conjugated reporter probe RP-2
190 <220> FEATURE:
W--> 191 <221> NAME/KEY: n
192 <222> LOCATION: (1)..(1) /
193 <223> OTHER INFORMATION: gm
196 <220> FEATURE:
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198 <222> LOCATION: (2)..(2) /
199 <223> OTHER INFORMATION: cm
202 <220> FEATURE:
W--> 203 <221> NAME/KEY: n
204 <222> LOCATION: (3)..(3) /
205 <223> OTHER INFORMATION: um
208 <220> FEATURE:
W--> 209 <221> NAME/KEY: n
210 <222> LOCATION: (4)..(4) /
211 <223> OTHER INFORMATION: gm
214 <220> FEATURE:
W--> 215 <221> NAME/KEY: n

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216 <222> LOCATION: (5)..(5)
217 <223> OTHER INFORMATION: cm
220 <220> FEATURE:
W--> 221 <221> NAME/KEY: n
222 <222> LOCATION: (6)..(6) /
223 <223> OTHER INFORMATION: um
226 <220> FEATURE:
W--> 227 <221> NAME/KEY: n
228 <222> LOCATION: (7)..(7) ✓
229 <223> OTHER INFORMATION: um
232 <220> FEATURE:
W--> 233 <221> NAME/KEY: n
234 <222> LOCATION: (8)..(8) /
235 <223> OTHER INFORMATION: cm
238 <220> FEATURE:
W--> 239 <221> NAME/KEY: n
240 <222> LOCATION: (9)..(9) ✓
241 <223> OTHER INFORMATION: cm
244 <220> FEATURE:
W--> 245 <221> NAME/KEY: n
246 <222> LOCATION: (10)..(10) ✓
247 <223> OTHER INFORMATION: gm
250 <220> FEATURE:
W--> 251 <221> NAME/KEY: n
252 <222> LOCATION: (11)..(11) ✓
253 <223> OTHER INFORMATION: um
256 <220> FEATURE:
W--> 257 <221> NAME/KEY: n
258 <222> LOCATION: (12)..(12) ✓
259 <223> OTHER INFORMATION: cm
262 <400> SEQUENCE: 14
W--> 263 nnnnnnnnnnnn nn
266 <210> SEQ ID NO: 15
267 <211> LENGTH: 19
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: gel-immobilized
acrydite-modified capture probe CP-1
274 <220> FEATURE:
W--> 275 <221> NAME/KEY: n
276 <222> LOCATION: (7)..(7) ✓
277 <223> OTHER INFORMATION: cm
280 <220> FEATURE:
W--> 281 <221> NAME/KEY: n
282 <222> LOCATION: (8)..(8) ✓
283 <223> OTHER INFORMATION: gm
286 <220> FEATURE:
W--> 287 <221> NAME/KEY: n
288 <222> LOCATION: (9)..(9)

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289 <223> OTHER INFORMATION: gm
292 <220> FEATURE:
W--> 293 <221> NAME/KEY: n
294 <222> LOCATION: (10)..(10)
295 <223> OTHER INFORMATION: 2'-O-methyl adenosine ribonucleotide
298 <220> FEATURE:
W--> 299 <221> NAME/KEY: n
300 <222> LOCATION: (11)..(11)
301 <223> OTHER INFORMATION: cm
304 <220> FEATURE:
W--> 305 <221> NAME/KEY: n
306 <222> LOCATION: (12)..(12)
307 <223> OTHER INFORMATION: cm
310 <220> FEATURE:
W--> 311 <221> NAME/KEY: n
312 <222> LOCATION: (13)..(13)
313 <223> OTHER INFORMATION: um
316 <220> FEATURE:
W--> 317 <221> NAME/KEY: n
318 <222> LOCATION: (14)..(14)
319 <223> OTHER INFORMATION: gm
322 <220> FEATURE:
W--> 323 <221> NAME/KEY: n
324 <222> LOCATION: (15)..(15)
325 <223> OTHER INFORMATION: 2'-O-methyl adenosine ribonucleotide
328 <220> FEATURE:
W--> 329 <221> NAME/KEY: n
330 <222> LOCATION: (16)..(16)
331 <223> OTHER INFORMATION: cm
334 <220> FEATURE:
W--> 335 <221> NAME/KEY: n
336 <222> LOCATION: (17)..(17)
337 <223> OTHER INFORMATION: cm
340 <220> FEATURE:
W--> 341 <221> NAME/KEY: n
342 <222> LOCATION: (18)..(18)
343 <223> OTHER INFORMATION: um
346 <220> FEATURE:
W--> 347 <221> NAME/KEY: n
348 <222> LOCATION: (19)..(19)
349 <223> OTHER INFORMATION: gm
352 <400> SEQUENCE: 15
OK> 353 ttttttnnnn nnnnnnnn
356 <210> SEQ ID NO: 16
357 <211> LENGTH: 19
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
362 <223> OTHER INFORMATION: Description of Artificial Sequence: gel-immobilized
acrydite-modified capture probe CP-2

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→ Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
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Input Set : A:\EXT-073.ST25.txt
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:191 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:203 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:209 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:215 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:221 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:227 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:239 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:245 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:251 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:257 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:275 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:281 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:287 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:293 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:299 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:305 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:311 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:317 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:323 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:329 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:335 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:341 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:365 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:377 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:383 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:389 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:395 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:401 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:407 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:413 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:419 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:425 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:431 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:437 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:455 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:461 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:467 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:473 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:479 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17

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Input Set : A:\EXT-073.ST25.txt

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L:485 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:491 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:497 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:503 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:509 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:515 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:521 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27